

WSSS - Singapore - Singapore Changi Intl

Airport details

State	South East
Country	Singapore
Region	WS
Elevation	20ft (6m)
Timezone	GMT +8
Coordinates	1.37074, 103.98415
Type	land
ICAO code	WSSS
IATA code	SIN
FAA code	n/a

Runway info

Runway 02L / 20R	
length	4017m (13179ft)
bearing	23° / 203°
width	50m (164ft)
surface	asphalt
displacement threshold	0m (0ft) / 732m (2402ft)
blast zone	58m (190ft) / 125m (410ft)
Runway 02C / 20C	
length	4022m (13196ft)
bearing	23° / 203°
width	50m (164ft)
surface	asphalt
blast zone	57m (187ft) / 59m (194ft)
Runway 02R / 20L	
length	4020m (13189ft)
bearing	23° / 203°
width	50m (164ft)
surface	asphalt
blast zone	152m (499ft) / 152m (499ft)

Communication

Singapore Changi Intl Singapore	128.600
Changi Airport Information (D-ATIS)	
Singapore Changi Intl Singapore	128.600
Changi Airport Information (D-ATIS)	
Singapore Changi Intl Singapore	128.600
Changi Airport Information (D-ATIS)	
Singapore Changi Intl Singapore	128.600
Changi Airport Information (D-ATIS)	

Singapore Changi Intl Singapore Delivery	121.650
Singapore Changi Intl Singapore Delivery	121.650
Singapore Changi Intl Singapore Delivery	121.650
Singapore Changi Intl Singapore Delivery	121.650
Singapore Changi Intl Singapore Ground	121.850
Singapore Changi Intl Singapore Ground	121.725
Singapore Changi Intl Singapore Ground	124.300
Singapore Changi Intl Singapore Ground	121.850
Singapore Changi Intl Singapore Ground	121.725
Singapore Changi Intl Singapore Ground	124.300
Singapore Changi Intl Singapore Ground	121.850
Singapore Changi Intl Singapore Ground	121.725
Singapore Changi Intl Singapore Ground	121.725
Singapore Changi Intl Singapore Ground	121.850
Singapore Changi Intl Singapore Ground	124.300
Singapore Changi Intl Singapore Ground	124.300
Singapore Changi Intl Singapore Tower	118.250
Singapore Changi Intl Singapore Tower	118.600
Singapore Changi Intl Singapore Tower	118.250
Singapore Changi Intl Singapore Tower	118.600
Singapore Changi Intl Singapore Tower	118.250
Singapore Changi Intl Singapore Tower	118.600
Singapore Changi Intl Singapore Tower	118.600
Singapore Changi Intl Singapore Tower	118.250
Singapore Changi Intl Singapore Approach	120.300
Singapore Changi Intl Singapore Approach	120.300

Singapore Changi Intl Singapore Arrival	119.300
Singapore Changi Intl Singapore Arrival	119.300
Singapore Changi Intl Singapore Arrival	119.300
Singapore Changi Intl Singapore Approach	120.300
Singapore Changi Intl Singapore Arrival	119.300
Singapore Changi Intl Singapore Approach	120.300
Singapore Changi Intl Singapore Departure	124.600
Singapore Changi Intl Singapore Departure	124.600
Singapore Changi Intl Singapore Departure	124.600
Singapore Changi Intl Singapore Departure	124.600

Approach frequencies

ILS-cat-II	02L	110.9	18.00mi
ILS-cat-II	20C	109.7	18.00mi
ILS-cat-I	20R	108.9	18.00mi
ILS-cat-I	02C	108.3	18.00mi
ILS-cat-I	20L	108.55	18.00mi
ILS-cat-I	02R	110.5	18.00mi
3° GS	20L	108.55	18.00mi
3° GS	02L	110.9	18.00mi
3° GS	20R	108.9	18.00mi
3° GS	02C	108.3	18.00mi
3° GS	20C	109.7	18.00mi
3° GS	02R	110.5	18.00mi

Nearby beacons

code	identifier	dist	bearing	frequency
VTK	TEKONG (SINGAPORE) VOR/DME	3.5	40.4°	116.50
PLA	PAYA LEBAR (SINGAPORE) TACAN	4.2	272.1°	116.30
PU	PAPA UNIFORM (SINGAPORE) VOR/DME	4.3	315.9°	115.10
SEL	SELETAR (SINGAPORE) NDB	7.3	290.4°	220
KK	KONG KONG (JOHOR BAHRU) NDB	9	2.1°	286
AG	SEMBAWANG (SINGAPORE) NDB	10.1	288.1°	325
SJ	SINJON (SINGAPORE) VOR/DME	11.8	221.2°	113.50
TNG	TENGAH (SINGAPORE) TACAN	16.4	274.7°	113.90
BTM	BATAM VOR/DME	16.5	146.3°	116
BM	BATAM NDB	16.7	153.1°	370

JB	JAYBEE (JOHOR BAHRU) NDB	18.1	295.3°	400
VJB	JOHOR BAHRU VOR/DME	26.2	312.2°	112.50
JR	JOHOR BAHRU NDB	26.7	312.8°	245
TG	TANJUNG BALAI KARIMUN NDB	40.4	241.5°	410
TI	TANJUNG PINANG NDB	42.3	129.7°	385
TPG	TANJUNG PINANG VOR/DME	42.4	131.3°	114.80
AP	KLUANG NDB	57.2	314.7°	331

Departure and arrival routes

Transition altitude	11000ft
Transition level	13000ft

SID end points	distance	outbound direction
RW02C		
TOMA2A	108.3	90°
KADA1A	241.8	112°
VENI1A	193.5	128°
ANIT6A	112.5	152°
ADMI1A	54.0	245°
MASB2A	77.6	301°
AROS2A	58.0	323°
VMR5A	61.4	354°
RW02L		
TOMA2E	108.3	90°
KADA1E	241.8	112°
VENI1E	193.5	128°
ANIT6E	112.5	152°
ADMI1E	54.0	245°
MASB2E	77.6	301°
AROS2E	58.0	323°
VMR5E	61.4	354°
RW20C		
TOMA4B	108.3	90°
KADA3B	241.8	112°
VENI3B	193.5	128°
ANIT7B	112.5	152°
ADMI3B	54.0	245°
MASB4B	77.6	301°
AROS4B	58.0	323°
VMR8B	61.4	354°
RW20R		
TOMA4F	108.3	90°
KADA3F	241.8	112°
VENI3F	193.5	128°
ANIT7F	112.5	152°
ADMI3F	54.0	245°
MASB4F	77.6	301°

AROS4F	58.0	323°
VMR8F	61.4	354°

STAR starting points	distance	inbound direction
----------------------	----------	-------------------

RW02 (ALL)

ASUN1A	54.0	65°
ARAM1A	53.9	106°
ELAL1A	174.0	191°
LEBA2A	37.7	191°
MABA2A	146.1	210°
KART1A	108.3	270°
OBDO1A	185.9	288°
SURG1A	193.5	308°
REPO1A	66.0	357°

RW20 (ALL)

ASUN1B	54.0	65°
ARAM1B, LELI3B	53.9	106°
ELAL1B	174.0	191°
MABA2B	146.1	210°
KART1B	108.3	270°
OBDO1B	185.9	288°
SURG1B	193.5	308°
REPO1B	66.0	357°

Holding patterns

STAR name	hold at	type	turn	heading*	altitude	leg	speed limit
ARAM1A	BOBAG	VHF	right	263 (83)°	15000ft - 18000ft	1.0min timed	250
ARAM1A	SAMKO	VHF	left	168 (348)°	15000ft - 25000ft	1.5min timed	265
ARAM1B	BOBAG	VHF	right	263 (83)°	15000ft - 18000ft	1.0min timed	250
ASUN1A	BOBAG	VHF	right	263 (83)°	15000ft - 18000ft	1.0min timed	250
ASUN1A	SAMKO	VHF	left	168 (348)°	15000ft - 25000ft	1.5min timed	265
ASUN1B	BOBAG	VHF	right	263 (83)°	15000ft - 18000ft	1.0min timed	250
ELAL1A	ELALO	VHF	left	354 (174)°	28000ft - 35000ft	1.5min timed	300
ELAL1A	KILOT	VHF	left	47 (227)°	22000ft - 27000ft	1.5min timed	250
ELAL1A	NYLON	VHF	left	23 (203)°	15000ft - 25000ft	1.5min timed	265
ELAL1B	ELALO	VHF	left	354 (174)°	28000ft - 35000ft	1.5min timed	300
ELAL1B	KILOT	VHF	left	47 (227)°	22000ft - 27000ft	1.5min timed	250

ELAL1B	NYLON	VHF	left	23 (203)°	15000ft - 25000ft	1.5min timed	265
KART1A	KARTO	VHF	left	89 (269)°	26000ft - 31000ft	1.5min timed	280
KART1A	LAVAX	VHF	left	89 (269)°	7000ft - 14000ft	1.0min timed	220
KART1B	KARTO	VHF	left	89 (269)°	26000ft - 31000ft	1.5min timed	280
KART1B	LAVAX	VHF	left	89 (269)°	7000ft - 14000ft	1.0min timed	220
MABA2A	KILOT	VHF	left	47 (227)°	22000ft - 27000ft	1.5min timed	250
MABA2A	MABAL	VHF	left	51 (231)°	28000ft - 35000ft	1.5min timed	300
MABA2A	NYLON	VHF	left	23 (203)°	15000ft - 25000ft	1.5min timed	265
MABA2B	KILOT	VHF	left	47 (227)°	22000ft - 27000ft	1.5min timed	250
MABA2B	MABAL	VHF	left	51 (231)°	28000ft - 35000ft	1.5min timed	300
MABA2B	NYLON	VHF	left	23 (203)°	15000ft - 25000ft	1.5min timed	265
OBDO1A	IKIMA	VHF	right	111 (291)°	15000ft - 25000ft	1.5min timed	250
OBDO1A	LAVAX	VHF	left	89 (269)°	7000ft - 14000ft	1.0min timed	220
OBDO1B	IKIMA	VHF	right	111 (291)°	15000ft - 25000ft	1.5min timed	250
OBDO1B	LAVAX	VHF	left	89 (269)°	7000ft - 14000ft	1.0min timed	220
REPO1A	REMES	VHF	right	168 (348)°	6000ft - 14000ft	1.0min timed	220
REPO1A	REPOV	VHF	left	168 (348)°	15000ft - 25000ft	1.5min timed	250
REPO1A	SAMKO	VHF	left	168 (348)°	15000ft - 25000ft	1.5min timed	265
REPO1B	REMES	VHF	right	168 (348)°	6000ft - 14000ft	1.0min timed	220
REPO1B	REPOV	VHF	left	168 (348)°	15000ft - 25000ft	1.5min timed	250
SURG1A	IKIMA	VHF	right	111 (291)°	15000ft - 25000ft	1.5min timed	250
SURG1A	LAVAX	VHF	left	89 (269)°	7000ft - 14000ft	1.0min timed	220
SURG1B	IKIMA	VHF	right	111 (291)°	15000ft - 25000ft	1.5min timed	250
SURG1B	LAVAX	VHF	left	89 (269)°	7000ft - 14000ft	1.0min timed	220

*) magnetic outbound (inbound) holding course

Disclaimer

The information on this website is not for real aviation. Use this data with the X-Plane flight simulator only! Data taken with kind consent from X-Plane source code and data files. Content is subject to change without notice.

To be used with X-Plane simulation only